

Supplementary Table S1 Derived semen quality parameters [mean (95% CI)] according to the intake of sugar-sweetened beverages.

	Sugar-sweetened beverage				<i>P</i> ^a _{trend}
	Q1	Q2	Q3	Q4	
<i>N</i>	48	45	48	48	
Sugar-sweetened beverage intake median, servings/day	0.11	0.42	0.95	2.72	
Total sperm count (millions)					
Crude	141 (103, 193)	123 (89, 170)	147 (107, 200)	147 (107, 200)	0.66
Model 1 ^b	137 (101, 186)	133 (97, 181)	155 (115, 209)	133 (97, 182)	0.92
Model 2 ^c	125 (91, 172)	127 (93, 172)	160 (119, 216)	146 (105, 203)	0.55
Model 3 ^d	126 (90, 177)	128 (94, 174)	160 (119, 215)	144 (101, 206)	0.66
Total motile count (millions) ^e					
Crude	85 (60, 121)	81 (56, 115)	91 (64, 129)	81 (57, 115)	0.86
Model 1 ^b	84 (60, 117)	89 (63, 126)	95 (68, 133)	72 (50, 101)	0.40
Model 2 ^c	74 (52, 105)	83 (59, 116)	100 (72, 138)	83 (58, 119)	0.88
Model 3 ^d	77 (53, 111)	84 (59, 117)	100 (72, 139)	80 (54, 118)	0.91
Progressive motile count (millions) ^e					
Crude	78 (55, 112)	75 (52, 108)	85 (60, 122)	73 (51, 104)	0.80
Model 1 ^b	77 (55, 109)	83 (58, 118)	89 (63, 126)	65 (45, 92)	0.35
Model 2 ^c	68 (48, 97)	77 (54, 109)	93 (67, 131)	75 (52, 109)	0.93
Model 3 ^d	70 (48, 103)	77 (54, 110)	94 (67, 131)	72 (49, 108)	0.88
Total normal count (millions)					
Crude	25.5 (16.8, 34.2)	21.5 (12.6, 30.5)	25.4 (16.7, 34.0)	22.2 (13.5, 30.9)	0.73
Model 1 ^b	24.4 (15.9, 32.9)	23.8 (15.1, 32.4)	26.2 (17.8, 34.6)	20.4 (11.6, 29.1)	0.92
Model 2 ^c	23.2 (14.2, 32.2)	23.4 (14.7, 32.0)	27.4 (19.0, 35.8)	20.8 (11.5, 30.0)	0.63
Model 3 ^d	26.4 (16.9, 35.8)	23.7 (15.0, 32.4)	27.7 (19.4, 36.1)	16.9 (7.0, 26.9)	0.20

^aEstimated using median intake in each quartile as a continuous variable.^bAdjusted for total energy intake and abstinence time.^cAdjusted for total energy intake, abstinence time, age, smoking status, alcohol, caffeine, total protein intake, total fat intake, TV viewing hours and physical activity.^dAdjusted for total energy intake, abstinence time, age, smoking status, alcohol, caffeine, total protein intake, total fat intake, TV viewing hours, physical activity, BMI, and the Prudent and Western dietary patterns.^eAdditionally adjusted for time from ejaculation to start of semen analysis.